COLOR MONITOR SERVICE MANUAL

CHASSIS NO.: CL-42

FACTORY MODEL: L1800FPK
MODEL: 1800FP

CAUTION

BEFORE SERVICING THE UNIT,
READ THE **SAFETY PRECAUTIONS** IN THIS MANUAL.



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SPECIFICATIONS

1. LCD CHARACTERISTICS

 Type
 : TFT Color LCD Module

 Size
 : 18.1inch(45.974cm diagonal)

 Pixel Pitch
 : 0.2805(H) x 0.2805(V)

 Color Depth
 : 8-bit, 16,777,216 colors

Electrical Interface : LVDS

Surface Treatment : Anti-Glare, Hard Coating(3H)

Operating Mode : Normally Black

Backlight Unit : Six-CCFL (Cold Cathode

Fluorescent Lamp)

2. OPTICAL CHARACTERISTICS

2-1. Viewing Angle by Contrast Ratio ≥ 10

Left : -60° min., -80° (Typ)
Right : +60° min., +80° (Typ)
Top : +60° min., +80° (Typ)
Bottom : -60° min., -80° (Typ)

2-2. Luminance : 200(min), 250(Typ)
2-3. Contrast Ratio : 200(min), 350(Typ)

3. SIGNAL (Refer to the Timing Chart)

3-1. Sync Signal

Type : Separate Sync,SOG, Composite Sync, Digital

3-2. Video Input Signal

1) Type : R, G, B Analog
2) Voltage Level : 0~0.70 V
a) Black : 0.0 Vp-p
b) 128 Gray : 0.35 Vp-p
c) Full White : 0.70 Vp-p
3) Input Impedance : 75 Ω

3-3. Operating Frequency

Horizontal : 30 ~ 83 kHz Vertical : 56 ~ 75 Hz

4. POWER SUPPLY

4-1. Power

AC 100~240V, 50/60Hz, 1.0A

4-2. Power Consumption

MODE	H/V SYNC	VIDEO	POWER CONSUMPTION	LED COLOR
POWER ON (NORMAL)	ON/ON	ACTIVE	less than 55 W	GREEN
STAND-BY	OFF/ON	OFF	less than 3 W	AMBER
SUSPEND	ON/OFF	OFF	less than 3 W	AMBER
DPM OFF	OFF/OFF	OFF	less than 3 W	AMBER
POWER SW OFF		-	less than 2 W (at 120V)	OFF

5. ENVIRONMENT

5-1. Operating Temperature: 10°C~35°C (50°F~95°F)

(Ambient)

5-2. Relative Humidity : 10%~80%

(Non-condensing)

5-3, MTBF : 50,000 Hours(Min)

6. DIMENSIONS (with TILT/SWIVEL)

 Width
 : 406 mm (15.98")

 Depth
 : 223 mm (8.78')

 Height
 : 431 mm (16.97")

7. WEIGHT (with TILT/SWIVEL)

Net. Weight : 7.8kg (17.19 lbs) Gross Weight : 9.5kg (20.94 lbs)

PRECAUTION

WARNING FOR THE SAFETY-RELATED COMPONENT.

- There are some special components used in LCD monitor that are important for safety. These parts are marked Aon the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with the manufacturer's specified parts to prevent electric shock, fire or other hazard.
- Do not modify original design without obtaining written permission from manufacturer or you will void the original parts and labor guarantee.

TAKE CARE DURING HANDLING THE LCD MODULE WITH BACKLIGHT UNIT.

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body are grounded through wrist band.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- The module not be exposed to the direct sunlight.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel become dirty, please wipe it off with a softmaterial. (Cleaning with a dirty or rough cloth may damage the panel.)

⚠ CAUTION

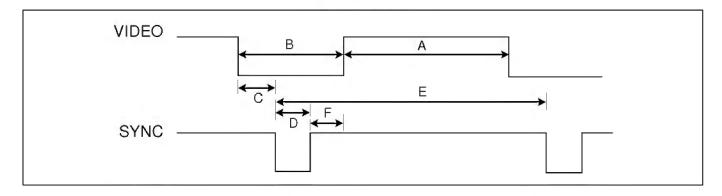
Please use only a plastic screwdriver to protect yourself from shock hazard during service operation.

⚠ WARNING

BE CAREFUL ELECTRIC SHOCK!

- If you want to replace with the new backlight (CCFL) or inverter circuit, must disconnect the AC adapter because high voltage appears at inverter circuit about 650Vrms.
- Handle with care wires or connectors of the inverter circuit. If the wires are pressed cause short and may burn or take fire.

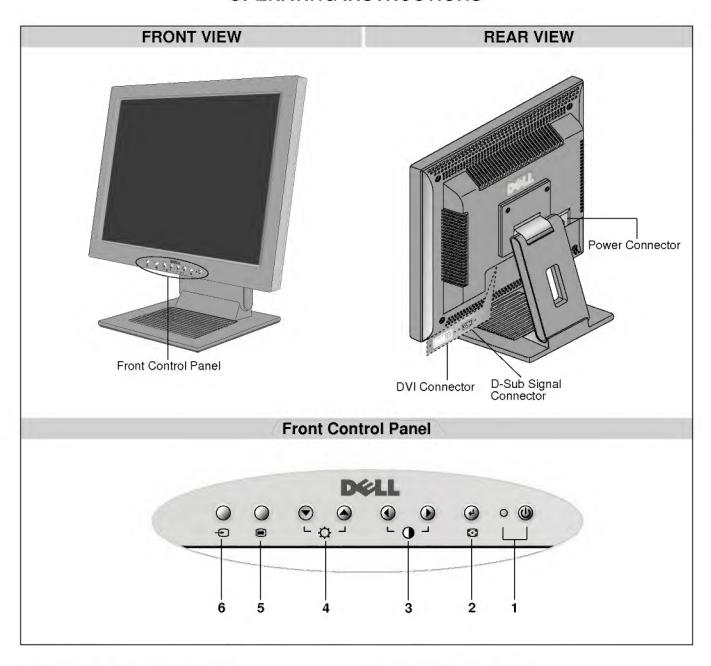
TIMING CHART



<< Dot Clock (MHz), Horizontal Frequency (kHz), Vertical Frequency (Hz), Horizontal etc... (μs), Vertical etc... (ms) >>

Mode	H/V Sort	Sync Polarity	Dot Clock	Frequency	Total Period (E)	Video Active Time (A)	Front Porch (C)	Sync Duration (D)	Back Porch (F)	Resolution
1	Н	+	25.175	31.469	800	640	16	96	48	640x350
•	٧	_	20.175	70.09	449	350	37	2	60	70Hz
2	Н	-	28.321	31.468	900	720	18	108	54	720x400
2	٧	+	20.521	70.08	449	400	12	2	35	70Hz
3	Н	-	25.175	31.469	800	640	16	96	48	640x480
3	٧	-	25.175	59.94	525	480	10	2	33	60Hz
4	Н	-	01.5	37.5	840	640	16	64	120	640x480
4	٧	_	31.5	75	500	480	1	3	16	75Hz
_	Н	+	40.0	37.879	1056	800	40	128	88	800x600
5	٧	+	40.0	60.317	628	600	1	4	23	60Hz
•	Н	+	40.5	46.875	1056	800	16	80	160	800x600
6	V	+	49.5	75.0	625	600	1	3	21	75Hz
_	Н	+/-	F7.000	49.725	1152	832	32	64	224	832x624
7	٧	+/-	57.283	74.55	667	624	1	3	39	75Hz
	Н	-		48.363	1344	1024	24	136	160	1024x768
8	٧	_	65.0	60.0	806	768	3	6	29	60Hz
	Н	-	7.0	60.123	1312	1024	16	96	176	1024x768
9	٧	_	78.75	75.029	800	768	1	3	28	75Hz
	Н	+/-	1000	67.500	1600	1152	64	128	256	1152x864
10	٧	+/-	108.0	75.000	900	864	1	3	32	75Hz
	Н	+/-	20.072	61.805	1504	1152	18	134	200	1152x900
11	V	+/-	92.978	65.96	937	900	2	4	31	65Hz
	Н	+	100.0	63.981	1688	1280	48	112	248	1280x1024
12	٧	+	108.0	60.02	1066	1024	1	3	38	60Hz
	Н	+		79.976	1688	1280	16	144	248	1280x1024
13	V	+	135.0	75.035	1066	1024	1	3	38	75Hz

OPERATING INSTRUCTIONS



1. Power Button and LED Indicator

Turn the display on/off and indicate the status of power management.

2. Select/Auto Button

Use this button to enter a selection in the On Screen Display. Automatically adjust vertical position, horizontal position, pixel clock and phase.

3. Left/Right arrow Buttons

Use these buttons to choose or adjust items in the On Screen Display and activates Hot Key function for contrast adjustment.

4. Up/Down arrow Buttons

Select between OSD items and activates "Hot key" function for brightness adjustment.

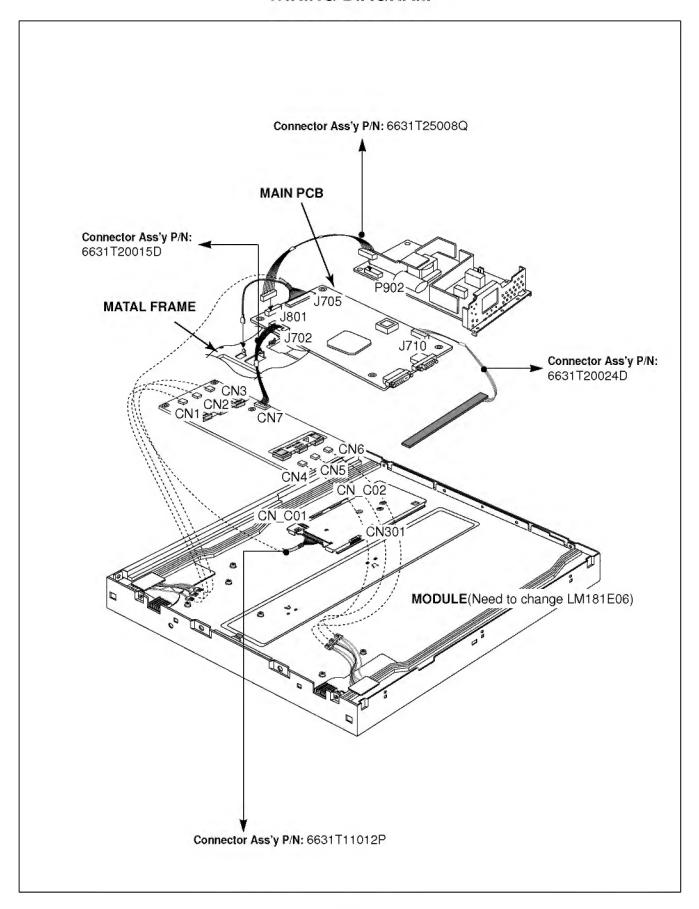
5. Menu Button

Use this button to enter or exit the On Screen Display.

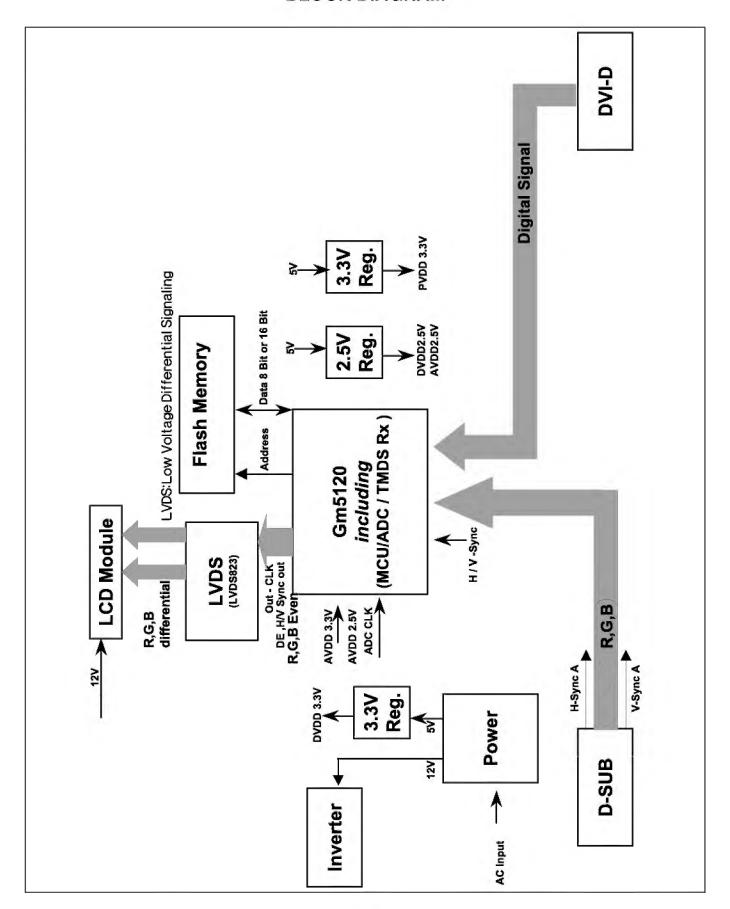
6. Input Selection Button

Use this button to make D-sub or DVI connector active. This feature is used when two computers are connected to the display. The default setting is D-sub.

WIRING DIAGRAM



BLOCK DIAGRAM



DESCRIPTION OF BLOCK DIAGRAM

1. Input signal switching part.

There are two inputs which are analog and digital input.

They come from each 15 pin D-Sub and 24 pin DVI-D connector.

2. Video Controller Part.

This part amplifies the level of video signal for the digital conversion and converts from the analog video signal to the digital video signal using a pixelclock.

The pixel clock for each mode is generated by the PLL.

The range of the pixel clock is from 25MHz to 135MHz.

This part consists of the Scaler, Flash-ROM IC which stores program data, Reset IC.

The Scaler gets the video signal converted analog to digital, interpolates input to 1280 X 1024 resolution signal and outputs R, G, B signal to transmitter.

The controlled data of each modes and user setting is stored in EEPROM

Especially Micom/pre-amp / ADC / Video controller are merged to one chip 'Gm5120' by Genesis. .

3. Display Data Transmitter Part.

This part transmit digital signal from the Scaler to the receiver of module.

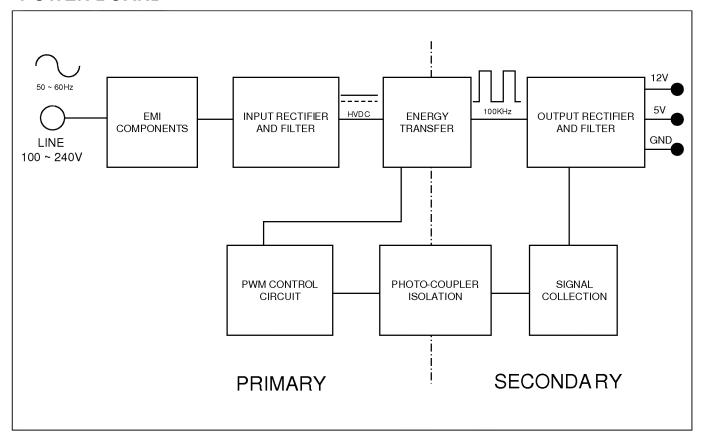
4. Power Part.

This part consists of the one 5V, one 3.3V and one 2.5 regulators to convert power which is provided 12V, 5V in Power Board.

12V is provided for LCD Panel.

Also, 5V is converted 3.3V and 2.5V by regulator. Converted power is provided for IC in the main board.

POWER BOARD



OPERATION DESCRIPTION POWER

1. EMI components.

This part contains of EMI components to comply with global marketing EMI standards like FCC, VCCI CISPR, the circuit included a line-filter, across line capacitor and of course the primary protection fuse.

2. Input rectifier and filter.

This part function is for transfer the input AC voltage to a DC voltage through a bridge rectifier and a bulk capacitor.

3. Energy Transfer.

This part function is transfer the primary energy to secondary through a power transformer.

4. Output rectifier and filter.

This part function is to make a pulse width modulation control and to provide the driver signal to power switch, to adjust the duty cycle during different AC input and output loading condition to achive the dc output stablize, and also the over power protection is also monitor by this part.

5. Photo-Coupler isolation.

This part function is to feed back the dc output changing status through a photo transistor to primary controller to achive the stablized dc output voltage.

6. Signal collection.

This part function is to collect the any change from the dc output and feed back to the primary through photo transistor

ADJUSTMENT

All adjustment are thoroughly checked and corrected when the monitor leaves the factory, but sometimes several minor adjustment may be required.

Adjustment should be following procedure and after warming up for a minimum of 10 minutes.

- · Alignment appliances and tools.
 - IBM compatible PC
 - Programmable Signal Generator.
 (eg. VG-819 made by Astrodesign Co.)
 - E(E)PROM with each mode data saved.

1. Adjustment Start

- 1) Display any pattern at any Mode.
- Run alignment program for L1800FPKon the IBM compatible PC.
- 3) Select EEPROM → ALL INIT command and Enter.
- 4) This will make all data to default state.
- 5) Select COMMAND → PRESET START command and Enter.

2. Adjustment for White Balance

- 1) Display Black pattern at SXGA/60Hz.
- Set External Bright to MAX position and Contrast to MAX Position.
- Select PRESET START → BIAS CAL command and Enter.
- No attempt to manually adjust, BIAS data is automatically adjusted and saved to the EEPROM.
- 5) Display Full White pattern at SXGA/60Hz.
- 6) Select DRIVE CAL command and Enter.
- 9300K are automatically adjusted and saved to the EEPROM.
- 8) Select PRESET EXIT command and Enter.

3. Adjustment for EDID

- 1) Use this procedure only when there is some probelm on EDID data.
- 2) Connect the D-sub cable.
- 3) Select EEPROM \rightarrow EDID(A) WR command and Enter.
- 4) DVI to D-sub cable.
- 5) Select EEPROM \rightarrow EDID(D) WR command and Enter.

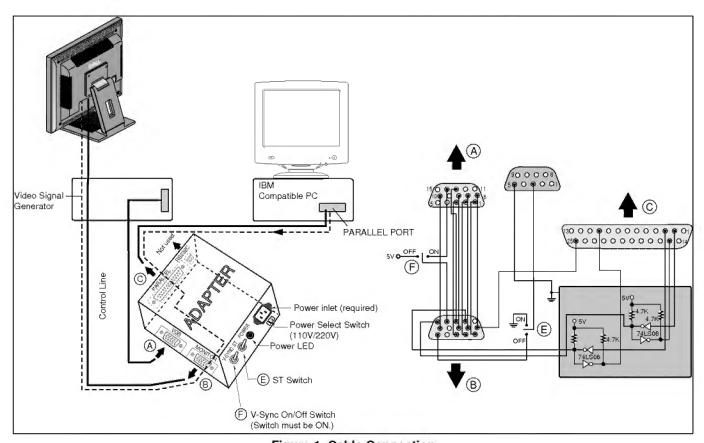
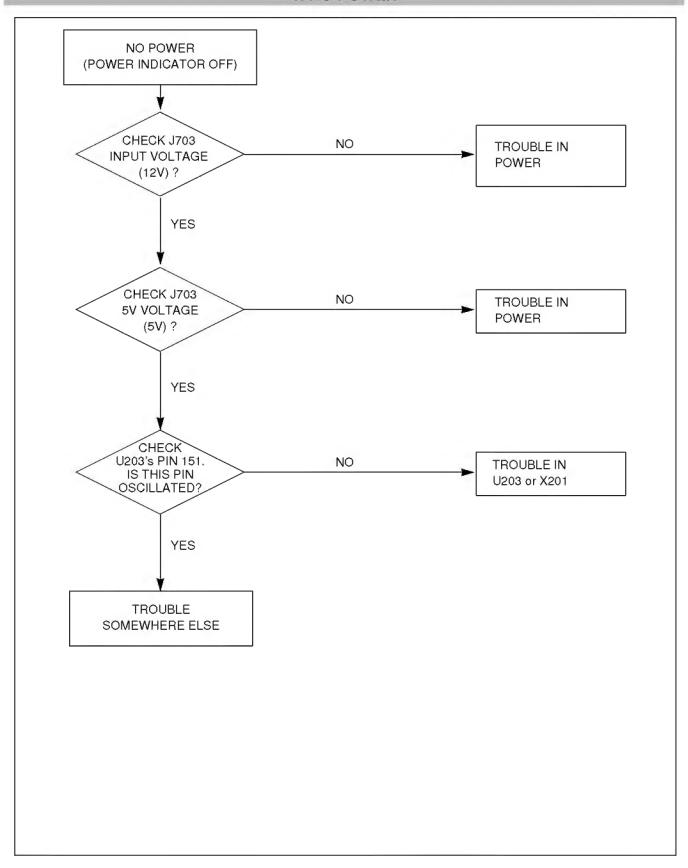


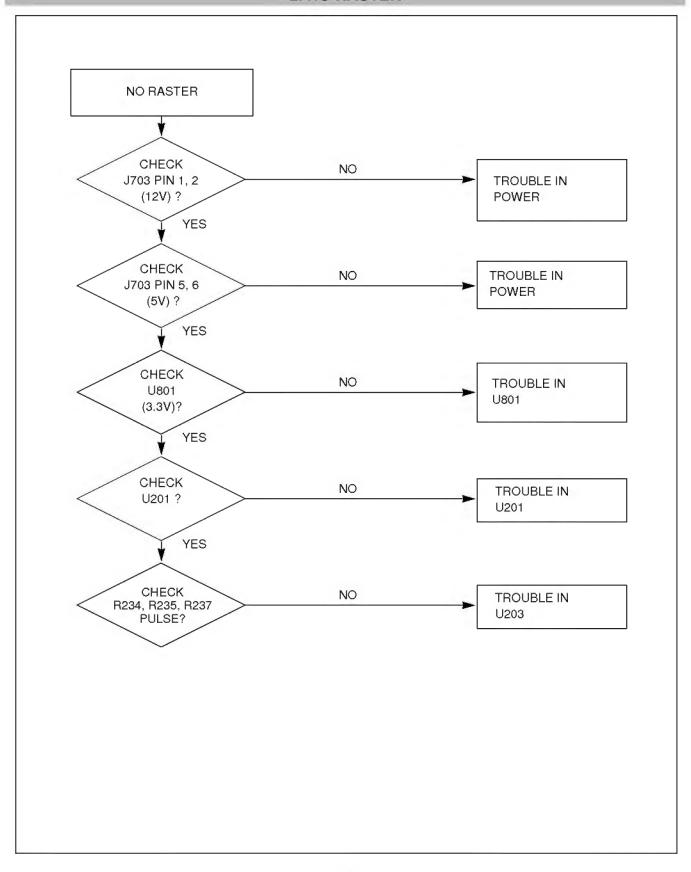
Figure 1. Cable Connection

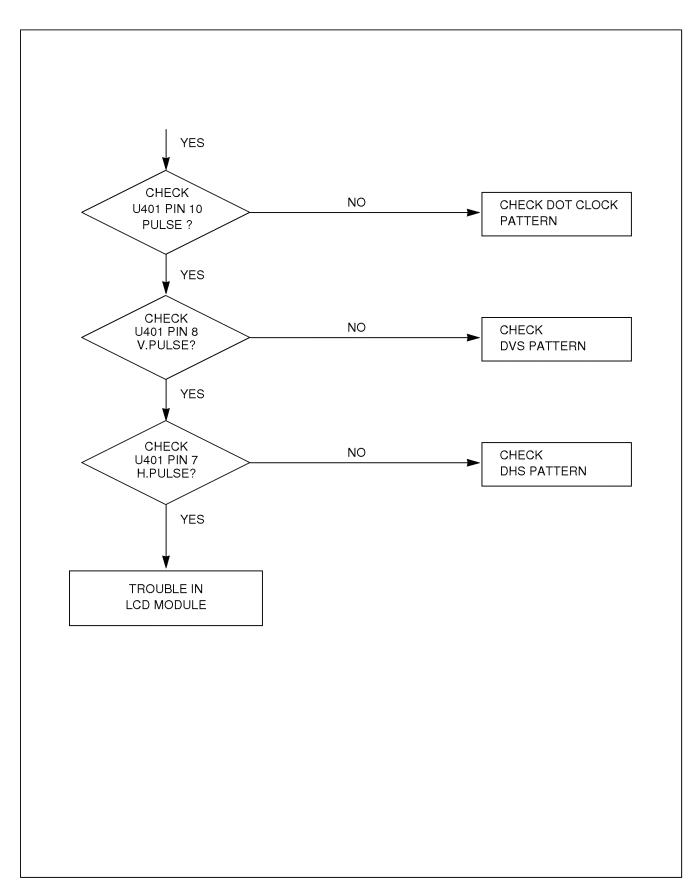
TROUBLESHOOTING GUIDE

1. NO POWER

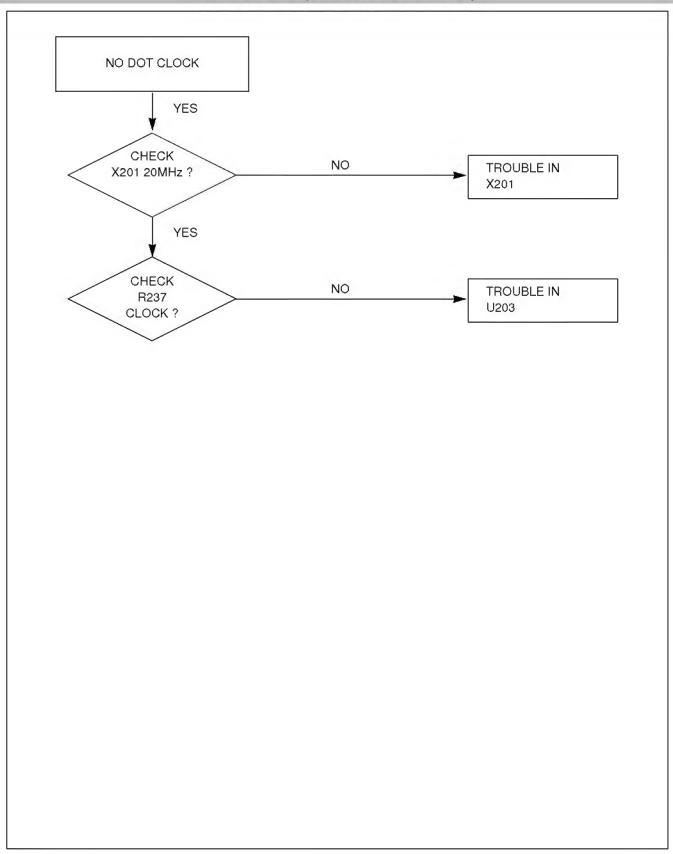


2. NO RASTER

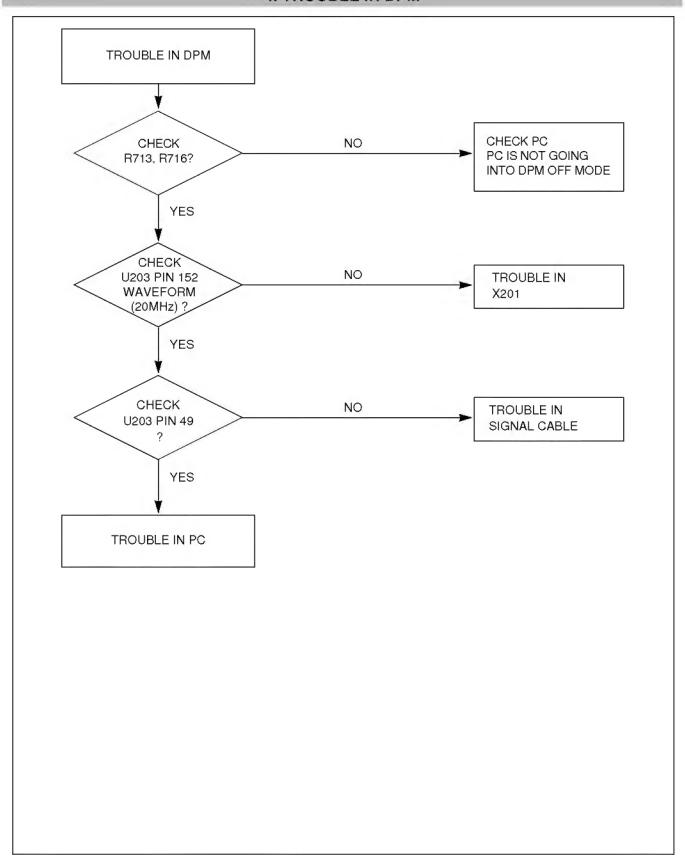




3. NO CLOCK (CLOCK GENERATOR)

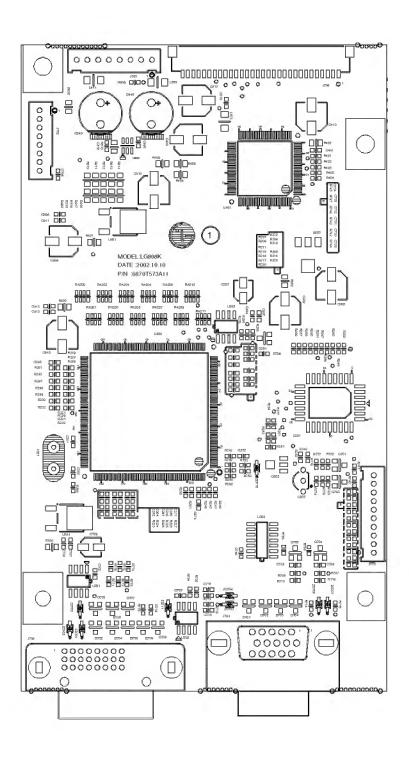


4. TROUBLE IN DPM

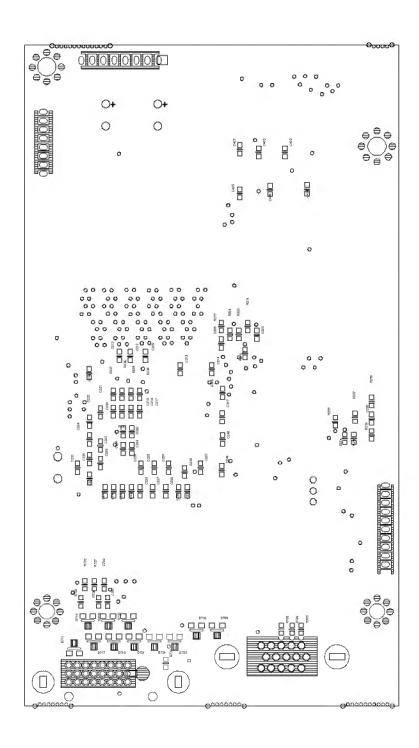


PRINTED CIRCUIT BOARD

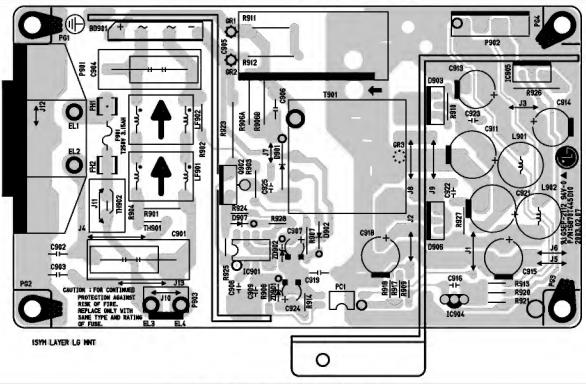
1. MAIN BOARD (Component Side)



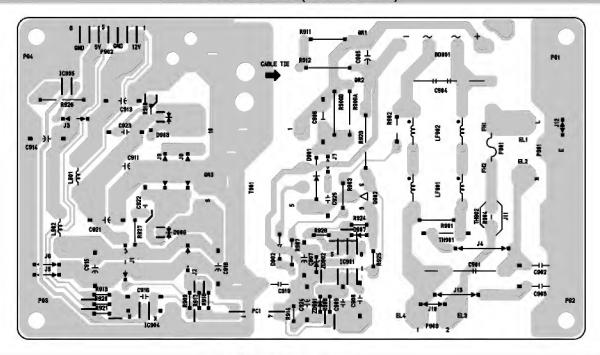
2. MAIN BOARD (Solder Side)



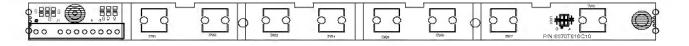
3. POWER BOARD (Component Side)



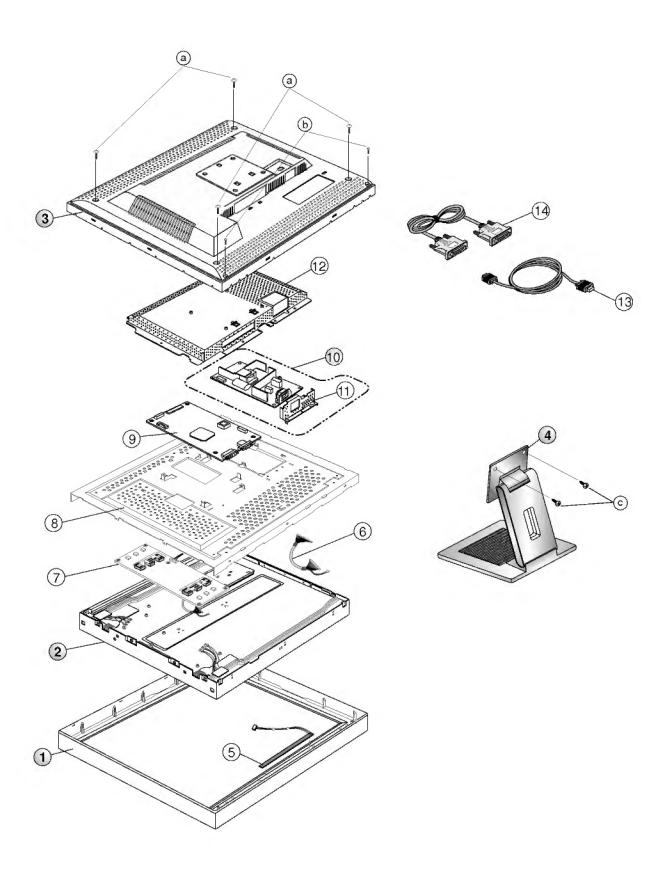
4. POWER BOARD (Solder Side)



5.CONTROL BOARD



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

* Note: Safety mark 🛕

Ref. No.	Part No.		Description
1	3091TKL045A		CABINET ASSEMBLY, LD803H BRAND 3090TKL048
2	6304FLP034A		LCD(LIQUID CRYSTAL DISPLAY), LM181E06-A4M1 LG PHILPS TFT COLOR SXGA 18.1" LVDS SMM
3	3809TKL025K		BACK COVER ASSEMBLY, LD803H 3808TKL030A -MX LOCAL(DELL)
4	3043TKK091B		TILT SWIVEL ASSEMBLY, LD803H . PC+ABS M-GRAY
5	6871TST402A		PWB(PCB) ASSEMBLY, SUB, L1800FPK CONTROL TOTAL DELL CL-42
6	6631T11012P		CONNECTOR ASSEMBLY, 30P H-H 100MM UL20276 PANEL LINK LB886F
7	6633TZA008C	Â	INVERTER ASSEMBLY, ALPS KUBNKM045A 6-LAMPS,18" DELL
7	or 6633TZA008H		INVERTER ASSEMBLY, ALPS KUBNKM045A(REV5.0) 6-LAMPS,18" DELL
8	4951TKS078R		METAL ASSEMBLY, FRAME L1800FPK, DELL
9	6871TMT442A		PWB(PCB) ASSEMBLY, MAIN, L1800FPK ALRDG DELL CL-42 TOTAL
10	6871TPT226A		PWB(PCB) ASSEMBLY, POWER, LD803H POWER TOTAL BRAND
11	4814TKK187A		SHIELD, REAR LB886F
12	4950TKK429A		METAL, REAR LB800H
13	6850TD9004F		CABLE, D-SUB, UL 29276-9C(5.8mm) DT 1870MM BLACK(9930) , G/W DM
4.4	6866TDV004J		CABLE, DVI, UL20276 DT 2000MM BLACK(9930) LG883D DM
14	or 6866TDV004M	,,,,,,	CABLE, DVI, UL20276 DT 2000MM BLACK(9930) NMV 18" DM
а	1SZZTER001H		SCREW, DRAWING, D3.0 L10.0 MSWR/BK .
b	332-113S		SCREW, DRAWING, D3.0 L12.0 MSWR/BK .
С	332-105G		SCREW, DRAWING, PVS+4*10(MSWR/BK)

REPLACEMENT PARTS LIST

CAUTION: BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE **SAFETY PRECAUTIONS** IN THIS MANUAL.

* NOTE : S SAFETY Mark AL ALTERNATIVE PARTS

io 1	1.00 1.0	DARKE S	DATE: 2003. 05. 06
_	LOC, NO.		DESCRIPTION / SPECIFICATION
	IAIN BOA		
С	APACITO	DRS	
	C201	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
	C201	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
	C202	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
	G203	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C204	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
	C205	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
	C207	0CH8106F691	10UF 16V 20% 105STD (CYL) R/
	C209	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	G210	0CK103GK51A	0.01UF 1608 50V 10% R/TP B(Y
	G211	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	G212	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C213	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C214	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C215	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C216	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C217	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
	C218	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
	C219	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
	C220	0CC330CK41A	33PF 1608 50V 5% R/TP NP0
	C221	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C222	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C223	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C224	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C225	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C226	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C227	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C228	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C229	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C230	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C231	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C232	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
	C233	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C234	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C235	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C236	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C237	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C238	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C239	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	G240	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	G241	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C242	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C244	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C245	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C246	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	G247	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C280	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C281	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C282	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
	C283	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
	C284	0CC221CK41A 0CK103CK51A	220PF 1608 50V 5% R/TP NP0
	G401 G402	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y 0.01UF 1608 50V 10% R/TP B(Y
1	0402	MICHOCOLUNO	0.010F 1000 30V 10% FV IP D(1

				DATE MAN OF AN
+0	- A I	LOC NO	DADTNO	DATE: 2003, 05, 06,
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		0400	DOM/ DOCKET A	0.04 UE 4.000 FOW 4.00% DIED D/W
		C403	0CK103CK51A	0.01 UF 1608 50V 10% R/TP B(Y
		C404	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C405	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C406	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C407	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C408	0CH8226F691	22UF 16V 20% 105STD (CYL) R/
		C410	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C413	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C702	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C703	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C706	0GG221GK41A	220PF 1608 50V 5% R/TP NP0
		C714	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C715	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C727	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C728	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C729	0GC471GK41A	470PF 1608 50V 5% R/TP NP0
		C730	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C731	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C732	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C733	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C734	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C735	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C736	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C737	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C738	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C739	0CH8106F691	10UF 16V 20% 105STD (CYL) R/
		C740	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C801	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C802	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C806	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C807	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C808	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C809	0CH8476F691	47UF 16V 20% 105STD (CYL) R/
		C810	0CH8476F691	47UF 16V 20% 105STD (CYL) R/
		C811	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C812	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C813	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C817	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C818	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
		C819	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(Y
		C840	0CE477EH618	470UF KMG 25V M FL TP 5
		C845	0CE477EH618	470UF KMG 25V M FL TP 5
		C860	0CK105CD56A	1UF 1608 10V 10% R/TP X7R
	П	IODEs		
		D701	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D702	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
	D703 0DS226009AA			KDS226 TP KEC SOT-23 80V 30
	D704 0DS226009			KDS226 TP KEC SOT-23 80V 30
		D709	0DS301109AA	MMBD301LT1 TP MOTOROLA SOT23
		D710	0DS301109AA	MMBD301LT1 TP MOTOROLA SOT23
		D711	0DS301109AA	MMBD301LT1 TP MOTOROLA SOT23
		D717	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
	_			

				DATE: 2003. 05. 06.
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
				VB TB VE
		D718	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D719	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D720	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D721	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D722	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D723 D724	0DS226009AA	KDS226 TP KEC SOT-23 80V 30 KDS226 TP KEC SOT-23 80V 30
		D724	0DS226009AA 0DS226009AA	KDS226 TP KEC SOT-23 80V 30 KDS226 TP KEC SOT-23 80V 30
		D732	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D733	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D734	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D736	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D730	0DS226009AA	KDS226 TP KEC SOT-23 80V 30
		D737	0DZ845109AB	BZX84C5V1 TP G.I SOT23 0.35W
		D739	0DZ845109AB	BZX84C5V1 TP G.I SOT23 0.35W
		ZD701	0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32
		ZD701 ZD702	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD702 ZD703	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD703 ZD704	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD704 ZD705	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD705 ZD706	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD706 ZD707	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
		ZD707 ZD710	0DZ560009GB 0DZ560009GB	BZT52C5V6S DIODES R/TP SOD32 BZT52C5V6S DIODES R/TP SOD32
			0DZ560009GB 0DZ560009GB	
		ZD711	3DZ30009GB	BZT52C5V6S DIODES R/TP SOD32
	IC	Cs .		
		U201	0IZZTSZ273A	ATMEL/STM 32PIN ST OTP L1800
		U203	OIPRPGNOO5A	GM5120 GENESIS 208P,PQFP TRA
		U205	OIMMRSS040C	S524A60X51(SCT0) SAMSUNG ELE
		U207	0lKE702900D	KIA7029AP TO-92 TP 2.9V DETE
		U401	OILNRTHOO1A	THC63LVD823 THINE MICROSYSTE
		U701	0ISS524202B	S524A40X21(SCT0) SAMSUNG ELE
		U702	0ISS524202B	S524A40X21(SCT0) SAMSUNG ELE
		U703	OISTLFA058A	74F14SCX FAIRCHILD 14P,SOIC
		U704	0ISS780500H	KA78M05-R 3P,D-PAK TP 5V 0.5
		U801	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULAT
		U802	0TFVI80036A	SI3861 DV VISHAY R/TP TSOP-6
		U803	0IPMGFA003B	RC1117S-2.5 FAIRCHILD SOT-22
	L	OII a e O	ODEs	
		OILs & C	ONLS	
		L811	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L823	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
		L830	6210TCE001G	HH-1M3216-501 CERATEC 3216MM
	Т	RANSIST	OR	
		Q201	0TR162309CA	KSC1623 TP SAMSUNG SOT23 NP
		Q701	0TR390609FA	KST3906-MTF TP SAMSUNG SOT2
		Q702	0TR390609FA	KST3906-MTF TP SAMSUNG SOT2
		Q703	0TR390409AE 0TR390409AE	FAIRCHILD KST3904(LGEMTF) TP FAIRCHILD KST3904(LGEMTF) TP
		Q704	VIDS90409AE	TAIRONILU NO 13904(LUCIVITE) TE
	R	ESISTOF	ls	
				40/20/04/4/40/4/52/1000 5.55
		R201	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R203	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R204	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R205	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R206 R207	0RJ1001D677 0RJ1000D677	1K OHM 1/10 W 5% 1608 R/TP 100 OHM 1/10 W 5% 1608 R/TP

					DATE: 2003, 05, 06,
R209	'S	AL	LOC. NO.	PART NO.	
R209					
R210 ORJ1001D677 R211 ORJ1001D677 R211 ORJ1001D677 R216 ORJ1001D677 R216 ORJ1001D677 R216 ORJ1001D677 R217 ORJ100D677 R217 ORJ100D677 R218 ORJ100D677 R219 ORJ100D677 R219 ORJ100D677 R219 ORJ100D677 R219 ORJ100D677 R219 ORJ100D677 R221 ORJ100D677 R221 ORJ100D677 R222 ORJ100D677 R223 ORJ100D677 R224 ORJ100D677 R225 ORJ120D677 R226 ORJ100D677 R226 ORJ100D677 R227 ORJ120D677 R228 ORJ120D677 R228 ORJ120D677 R229 ORJ120D677 R229 ORJ120D677 R229 ORJ120D677 R229 ORJ120D677 R229 ORJ00D677 R220 ORJ00D677 R220 ORJ00D677 R221 ORJ00D677 R222 ORJ00D677 R223 ORJ00D677 R224 ORJ00D677 R225 ORJ00D677 R226 ORJ00D677 R227 ORJ00D677 R227 ORJ00D677 R228 ORJ00D677 R229 ORJ00D677 R229 ORJ00D677 R220 ORJ00D677 R220 ORJ00D677 R221 ORJ00D677 R222 ORJ00D677 R223 ORJ00D677 R224 ORJ00D677 R225 ORJ100D677 R226 ORJ00D677 R227 ORJ100D677 R228 ORJ100D677 R229 ORJ100D6					
R211 0RJ1001D677 R214 0RJ1001D677 R215 0RJ1001D677 R216 0RJ1001D677 R217 0RJ1001D677 R217 0RJ100D677 R218 0RJ1000D677 R218 0RJ1000D677 R219 0RJ1000D677 R219 0RJ1000D677 R221 0RJ1000D677 R221 0RJ1000D677 R222 0RJ1000D677 R223 0RJ1000D677 R224 0RJ1200D677 R225 0RJ1200D677 R226 0RJ1000D677 R227 0RJ1200D677 R228 0RJ1000D677 R228 0RJ1000D677 R228 0RJ000D677 R228 0RJ000D677 R229 0RJ000D677 R229 0RJ000D677 R220 0RJ000D677 R221 0RJ000D677 R222 0RJ1200D677 R223 0RJ000D677 R224 0RJ000D677 R225 0RJ000D677 R226 0RJ000D677 R227 0RJ000D677 R228 0RJ000D677 R229 0RJ000D677 R220 0RJ000D677 R221 0RJ000D677 R222 0RJ000D677 R223 0RJ000D677 R224 0RJ000D677 R225 0RJ1000D677 R226 0RJ1000D677 R227 0RJ1000D677 R229 0RJ1000D67					
R214 ORJ1001D677 R215 ORJ1001D677 R216 ORJ1001D677 R217 ORJ1000D677 R218 ORJ1000D677 R219 ORJ1002D677 R219 ORJ1002D677 R219 ORJ1002D677 R221 ORJ1002D677 R221 ORJ1002D677 R222 ORJ1002D677 R223 ORJ1002D677 R224 ORJ1200D677 R225 ORJ1200D677 R226 ORJ1200D677 R227 ORJ1200D677 R227 ORJ1200D677 R228 ORJ1002D677 R229 ORJ1200D677 R229 ORJ1200D677 R220 ORJ1200D677 R220 ORJ1200D677 R221 ORJ1002D677 R222 ORJ1002D677 R223 ORJ1002D677 R224 ORJ1200D677 R225 ORJ0472D677 R226 ORJ0472D677 R227 ORJ0302D677 R228 ORJ0472D677 R239 ORJ0472D677 R239 ORJ0472D677 R240 ORJ0000D677 R240 ORJ0000D677 R241 ORJ0000D677 R242 ORJ0000D677 R244 ORJ1002D677 R245 ORJ1002D677 R246 ORJ1002D677 R247 ORJ0000D677 R250 ORJ1002D677 R250 ORJ1002D677 R250 ORJ1002D677 R250 ORJ1002D677 R250 ORJ1002D677 R251 ORJ1002D677 R252 ORJ1002D677 R253 ORJ1002D677 R254 ORJ1002D677 R255 ORJ1002D677 R256 ORJ1002D677 R257 ORJ1002D677 R258 ORJ1002D677 R259 ORJ1002D677 R250 ORJ1002D677 R260 ORJ1002D677 R270 ORJ002D677 R280 ORJ002D677					
R215 ORJ1001D677 R216 ORJ1001D677 R217 ORJ1000D677 R219 ORJ1000D677 R219 ORJ1000D677 R219 ORJ1000D677 R219 ORJ1000D677 R221 ORJ1000D677 R221 ORJ1000D677 R222 ORJ1000D677 R223 ORJ1000D677 R226 ORJ1200D677 R226 ORJ1200D677 R226 ORJ1000D677 R226 ORJ1000D677 R226 ORJ1000D677 R227 ORJ1000D677 R228 ORJ1000D677 R228 ORJ1000D677 R229 ORJ1000D677 R229 ORJ1000D677 R220 ORJ1000D677 R220 ORJ1000D677 R221 ORJ1000D677 R222 ORJ1000D677 R223 ORJ000D677 R223 ORJ000D677 R224 ORJ0472D677 R225 ORJ0472D677 R226 ORJ000D677 R227 ORJ000D677 R228 ORJ000D677 R229 ORJ000D677 R229 ORJ000D677 R220 ORJ000D677 R221 ORJ000D677 R222 ORJ000D677 R223 ORJ000D677 R224 ORJ000D677 R225 ORJ000D677 R226 ORJ1000D677 R227 ORJ1000D677 R228 ORJ000D677 R229 ORJ000D677 R					
R216 ORJ100D677 R217 ORJ100D677 R218 ORJ100D677 R219 ORJ100D677 R219 ORJ100D677 R221 ORJ100D677 R222 ORJ120D677 R223 ORJ100D677 R223 ORJ100D677 R224 ORJ120D677 R225 ORJ120D677 R226 ORJ100D677 R227 ORJ120D677 R227 ORJ120D677 R228 ORJ100D677 R228 ORJ100D677 R229 ORJ100D677 R230 ORJ0472D677 R231 ORJ0472D677 R232 ORJ0472D677 R232 ORJ0472D677 R233 ORJ0472D677 R236 ORJ0472D677 R237 ORJ0332D677 R239 ORJ040D677 R240 ORJ000D677 R241 ORJ000D677 R242 ORJ000D677 R242 ORJ000D677 R243 ORJ000D677 R244 ORJ1000D677 R249 ORJ100D677 R250 ORJ00D677 R260 ORJ00D677 R270 ORJ00D677 R280 ORJ00D677 R270 ORJ00D677 R270 ORJ00D677 R270 ORJ00D677 R270 ORJ00D677 R270 ORJ00D677 R280 ORJ00D677 R280 ORJ00D677 R290 ORJ0					
R217					
R218 ORJ1000D677 R219 ORJ1002D677 R221 ORJ1000D677 R222 ORJ1000D677 R223 ORJ1000D677 R224 ORJ120D677 R225 ORJ120D677 R226 ORJ120D677 R226 ORJ120D677 R227 ORJ120D677 R228 ORJ100D677 R228 ORJ100D677 R228 ORJ100D677 R229 ORJ100D677 R229 ORJ100D677 R229 ORJ100D677 R220 ORJ100D677 R221 ORJ100D677 R222 ORJ100D677 R223 ORJ000D677 R224 ORJ000D677 R225 ORJ0072D677 R226 ORJ0072D677 R227 ORJ0072D677 R228 ORJ0072D677 R229 ORJ0072D677 R229 ORJ0072D677 R229 ORJ0072D677 R220 ORJ0072D677 R221 ORJ0000D677 R222 ORJ0000D677 R224 ORJ0000D677 R224 ORJ000D677 R224 ORJ000D677 R225 ORJ000D677 R226 ORJ1000D677 R227 ORJ000D677 R229 ORJ1000D677 R229 ORJ1000D677 R229 ORJ1000D677 R229 ORJ1000D677 R229 ORJ1000D677 R225 ORJ1002D677 R226 ORJ1002D677 R227 ORJ1002D677 R228 ORJ1002D677 R229 ORJ002D677 R220					
R221 ORJ1000D677 R223 ORJ1000D677 R224 ORJ1200D677 R226 ORJ1200D677 R227 ORJ1200D677 R227 ORJ1200D677 R228 ORJ1000D677 R228 ORJ000D677 R228 ORJ000D677 R229 ORJ000D677 R230 ORJ0072D677 R230 ORJ0072D677 R231 ORJ0072D677 R232 ORJ000D677 R232 ORJ0000D677 R232 ORJ0000D677 R233 ORJ000D677 R242 ORJ0000D677 R243 ORJ0000D677 R244 ORJ1000D677 R246 ORJ1000D677 R247 ORJ1000D677 R249 ORJ1000D677 R250 ORJ1000D677 R251 ORJ1000D677 R252 ORJ1000D677 R253 ORJ000D677 R256 ORJ1000D677 R257 ORJ1000D677 R258 ORJ1000D677 R259 ORJ1000D677 R259 ORJ1000D677 R259 ORJ1000D677 R259 ORJ1000D677 R250 ORJ1000D677 R251 ORJ1000D677 R252 ORJ1000D677 R253 ORJ000D677 R254 ORJ1000D677 R255 ORJ1000D677 R256 ORJ1000D677 R257 ORJ000D677 R258 ORJ1000D677 R259 ORJ1000D677 R259 ORJ1000D677 R250 ORJ000D677 R250 ORJ000D677 R251 ORJ000D677 R252 ORJ000D677 R253 ORJ000D677 R254 ORJ000D677 R255 ORJ000D677 R276 ORJ000D677 R277 ORJ000D677 R278 ORJ000D677 R279 ORJ000D677 R279 ORJ000D677 R270 ORJ000D677 R270 ORJ000D677 R271 ORJ000D677 R280 ORJ000D677 R272 ORJ000D677 R278 ORJ000D677 R279 ORJ000D677 R280 ORJ000D677 R290 ORJ000					
R223			R219	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
R224 ORJ1200D677 R226 ORJ1200D677 R227 ORJ1200D677 R228 ORJ1000D677 R228 ORJ1000D677 R228 ORJ1000D677 R228 ORJ1000D677 R228 ORJ000D677 R228 ORJ000D677 R238 ORJ0072D677 R238 ORJ0472D677 R239 ORJ0472D677 R242 ORJ0332D677 R242 ORJ0300D677 R242 ORJ000D677 R243 ORJ3302D677 R244 ORJ1000D677 R249 ORJ1000D677 R249 ORJ1000D677 R249 ORJ1000D677 R250 ORJ1000D677 R260 ORJ1000D677 R270 ORJ4701D677 R271 ORJ4701D677 R272 ORJ4701D677 R273 ORJ4701D677 R274 ORJ4701D677 R275 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1000D677 R288 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R291 ORJ000D677 R291 ORJ000D677 R291 ORJ000D677 R290 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R291 ORJ1000D677 R290 ORJ1000			R221	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
R225 0RJ1200D677 R226 0RJ1000D677 R227 0RJ1200D677 R228 0RJ1000D677 R228 0RJ1000D677 R228 0RJ000D677 R239 0RJ00472D677 R239 0RJ00472D677 R239 0RJ000D677 R242 0RJ000D677 R242 0RJ000D677 R253 0RJ0472D677 R253 0RJ000D677 R254 0RJ000D677 R255 0RJ000D677 R250 0RJ1000D677 R255 0RJ1000D677 R255 0RJ1002D677 R256 0RJ1002D677 R257 0RJ1002D677 R258 0RJ1002D677 R259 0RJ1002D677 R260 0RJ4701D677 R270 0RJ4701D677 R271 0RJ4701D677 R272 0RJ4701D677 R273 0RJ4701D677 R275 0RJ4701D677 R276 0RJ4701D677 R277 0RJ002D677 R277 0RJ002D677 R278 0RJ4701D677 R279 0RJ4701D677 R279 0RJ4701D677 R270 0RJ4701D677 R271 0RJ4701D677 R271 0RJ4701D677 R272 0RJ4701D677 R273 0RJ4701D677 R274 0RJ4701D677 R275 0RJ4701D677 R276 0RJ4701D677 R277 0RJ4002D677 R277 0RJ4002D677 R277 0RJ4002D677 R289 0RJ4002D677 R290 0RJ400D677 R290 0RJ400D67			R223	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
R226 ORJ1000D677 R227 ORJ1200D677 R228 ORJ1000D677 R228 ORJ1000D677 R234 ORJ00472D677 R236 ORJ0472D677 R236 ORJ0472D677 R237 ORJ0332D677 R237 ORJ0332D677 R239 ORJ1001D477 R242 ORJ0000D677 R243 ORJ1001D477 R244 ORJ1000D677 R245 ORJ1000D677 R246 ORJ1000D677 R247 ORJ1000D677 R248 ORJ1000D677 R249 ORJ1000D677 R249 ORJ1000D677 R250 ORJ1001D677 R250 ORJ1001D677 R250 ORJ1000D677 R250 ORJ4701D677 R250 ORJ4701D677 R270 ORJ4701D677 R271 ORJ4701D677 R272 ORJ4701D677 R273 ORJ4701D677 R276 ORJ4701D677 R277 ORJ4701D677 R277 ORJ4701D677 R278 ORJ4701D677 R279 ORJ4701D677 R270 ORJ4701D677 R271 ORJ4701D677 R271 ORJ4701D677 R272 ORJ4701D677 R273 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1000D677 R280 ORJ1000D677 R290 ORJ1000D677 R291 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R290 ORJ1000D677 R291 ORJ1000D677 R290 ORJ1000D677 R291 ORJ1000D677 R290 ORJ1000D677 R291				0RJ1200D677	120 OHM 1/10 W 5% 1608 R/TP
R227 0RJ1200D677 120 OHM 1/10 W 5% 1608 R/TP R238 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP R234 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP R235 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP R236 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R239 0RJ1001D477 11 OHM 1/10 W 5% 1608 R/TP R243 0RJ3030D677 0 OHM 1/10 W 5% 1608 R/TP R244 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R247 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R249 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R250 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R252 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608			R225	0RJ1200D677	120 OHM 1/10 W 5% 1608 R/TP
R228					
R234 ORJ0472D677 R235 ORJ0472D677 R236 ORJ0472D677 R237 ORJ032D677 R237 ORJ032D677 R239 ORJ1001D477 R239 ORJ1001D477 R242 ORJ0000D677 R243 ORJ3002D677 R246 ORJ1000D677 R247 ORJ1000D677 R247 ORJ1000D677 R248 ORJ1000D677 R249 ORJ1000D677 R249 ORJ1000D677 R250 ORJ1001D677 R250 ORJ1001D677 R250 ORJ1001D677 R250 ORJ1002D677 R250 ORJ4701D677 R270 ORJ4701D677 R270 ORJ4701D677 R271 ORJ4701D677 R272 ORJ4701D677 R273 ORJ4701D677 R274 ORJ4701D677 R275 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1002D677 R280 ORJ4701D677 R277 ORJ1002D677 R280 ORJ4701D677 R270 ORJ4701D677 R280 ORJ002D677 R280 ORJ002D677 R280 ORJ002D677 R280 ORJ002D677 R280 ORJ002D677 R280 ORJ002D677 R280 ORJ1002D677 R280 ORJ1002D677 R280 ORJ1002D677 R290 ORJ1002D677 R290 ORJ1002D677 R290 ORJ1002D677 R400 ORJ1002D677 R401 ORJ1002D677 R402 ORJ1002D677 R402 ORJ1002D677 R403 ORJ002D677 R404 ORJ1002D677 R405 ORJ1002D677 R406 ORJ1002D677 R407 ORH000D622 R408 ORH0000D622 R409 ORH0000D622 R409 ORH0000D622 R409 ORH0000D622 R409 ORH0000D622 R409 ORJ002D677 R400 ORJ002D677 R401 ORJ002D677 R402 ORJ002D677 R403 ORJ002D677 R406 ORJ002D677 R407 ORJ002D677 R407 ORJ002D677 R408 ORH0000D622 R409 ORJ002D677 R409 ORJ002D677 R400 ORJ002D67					
R235 0RJ0472D677 R236 0RJ0472D677 R237 0RJ03032D677 R239 0RJ1001D477 R242 0RJ0000D677 R242 0RJ0000D677 R243 0RJ3032D677 R244 0RJ1000D677 R246 0RJ1000D677 R247 0RJ1000D677 R248 0RJ1000D677 R249 0RJ1000D677 R249 0RJ1000D677 R250 0RJ1001D677 R250 0RJ1001D677 R250 0RJ1001D677 R250 0RJ1002D677 R250 0RJ4701D677 R250 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R271 0RJ4701D677 R272 0RJ4701D677 R273 0RJ4701D677 R274 0RJ4701D677 R275 0RJ4701D677 R276 0RJ4701D677 R277 0RJ1002D677 R280 0RJ4701D677 R277 0RJ1002D677 R280 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R271 0RJ002D677 R280 0RJ002D677 R280 0RJ002D677 R280 0RJ002D677 R280 0RJ1002D677 R400 0RJ000D622 R700 0RJ1002D677 R400 0RJ000D622 R700 0RJ000D622 R700 0RJ000D622 R700 0RJ000D627 R700 0RJ000D677 R700 0RJ000D677 R700 0RJ000D677 R700 0RJ000D677 R700 0RJ0000D677 R700 0RJ0000D677 R700 0RJ0000D677 R700 0RJ0000D677 R700 0RJ0000D67					
R236 0RJ0472D677 R237 0RJ0332D677 R239 0RJ1001D477 R242 0RJ000D677 R243 0RJ302D677 R244 0RJ000D677 R243 0RJ302D677 R246 0RJ1000D677 R247 0RJ1000D677 R248 0RJ1000D677 R249 0RJ1000D677 R249 0RJ1000D677 R250 0RJ1002D677 R250 0RJ4701D677 R250 0RJ4701D677 R250 0RJ4701D677 R270 0RJ4701D677 R270 0RJ4701D677 R271 0RJ4701D677 R271 0RJ4701D677 R272 0RJ4701D677 R273 0RJ4701D677 R274 0RJ4701D677 R275 0RJ4701D677 R276 0RJ4701D677 R277 0RJ4002D677 R280 0RJ4701D677 R277 0RJ4002D677 R280 0RJ4701D677 R270 0RJ4701D677 R271 0RJ4002D677 R280 0RJ4701D677 R271 0RJ4002D677 R280 0RJ4701D677 R271 0RJ4002D677 R280 0RJ4701D677 R280 0RJ4701D677 R280 0RJ4701D677 R280 0RJ4701D677 R280 0RJ4701D677 R280 0RJ4002D677 R390 0RJ4002D677 R401 0RJ4002D677 R402 0RJ4002D677 R403 0RH0000D622 R409 0RH0000D627 R706 0RJ4701D677 R706 0RJ4701D677 R706 0RJ4701D677 R706 0RJ4701D677 R707 0RJ00332D677 R708 0RJ472D677 R708 0RJ47					
R237 ORJ0332D677 R239 ORJ1001D477 R242 ORJ0000D677 R243 ORJ0000D677 R244 ORJ0000D677 R246 ORJ1000D677 R246 ORJ1000D677 R247 ORJ1000D677 R248 ORJ1000D677 R249 ORJ1000D677 R249 ORJ1000D677 R250 ORJ1001D677 R250 ORJ1001D677 R250 ORJ1001D677 R250 ORJ1002D677 R250 ORJ4002D677 R250 ORJ4002D677 R250 ORJ4002D677 R250 ORJ4002D677 R250 ORJ4002D677 R260 ORJ4701D677 R270 ORJ4701D677 R270 ORJ4701D677 R271 ORJ4002D677 R271 ORJ4002D677 R272 ORJ4701D677 R273 ORJ4701D677 R274 ORJ4701D677 R275 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1002D677 R280 ORJ002D677 R280 ORJ1002D677 R391 ORJ1002D677 R401 ORJ1002D677 R402 ORJ1002D677 R402 ORJ1002D677 R403 ORJ002D677 R404 ORJ1002D677 R406 ORJ1002D677 R407 ORH0000D622 R409 ORH0000D627 R704 ORJ0752D677 R705 ORJ0752D677 R706 ORJ0752D677 R706 ORJ0752D677 R706 ORJ0752D677 R707 ORJ00752D677 R708 ORJ00752D677 R709					
R239 0RJ1001D477 0RJ000D677 0 OHM 1/10 W 1% 1608 R/TP 18242 0RJ300D677 100 OHM 1/10 W 5% 1608 R/TP 18246 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP 18247 0RJ100D677 100 OHM 1/10 W 5% 1608 R/TP 18249 0RJ100D677 100 OHM 1/10 W 5% 1608 R/TP 18250 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP 18252 0RJ100D677 100 OHM 1/10 W 5% 1608 R/TP 18253 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18256 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18257 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18258 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677 100 OHM 1/10 W 5% 1608 R/TP 18259 0RJ4701D677					
R242 0RJ0000D677 0 O OHM 1/10 W 5% 1608 R/TP R243 0RJ3030D677 33K OHM 1/10 W 5% 1608 R/TP R246 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R247 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R249 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R250 0RJ100D677 10K OHM 1/10 W 5% 1608 R/TP R252 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/1					
R243 0RJ30302D677 33K OHM 1/10 W 5% 1608 R/TP R246 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R247 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R250 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R250 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R252 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ4701D677 4.7K OHM 1					
R247 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R249 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R250 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R252 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ4701D677 10K OHM 1/10 W 5% 1608 R/TP R283 0RJ1002D677 10K OHM 1/1					
R249 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R250 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R252 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 10K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 4.7K OHM 1/10 W 5% 1608 R/TP R282 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R282 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 10K OHM 1/10 W 5% 1608 R/TP R289 0RJ1002D677 10K OHM 1/			R246	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
R250			R247	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
R252 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ4701D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 10K OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1002D677 1K OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 1K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R403 0RH0000D622 0 1/10W P-TYPE			R249	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
R255 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 10K OHM 1/10			R250	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
R256 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ022D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ022D677 12K OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 11K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 10K OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R403 0RH0000D622 0 I/10W P-TYPE			R252	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
R257 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R258 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 10K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 10K OHM 1/10 W 5% 1608 R/TP R291 0RJ1000D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R406 0RH0000D622 0 1/10W P-TY			R255	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
R258 ORJ1002D677 R269 ORJ1002D677 R260 ORJ4701D677 R272 ORJ4701D677 R273 ORJ4701D677 R274 ORJ4701D677 R275 ORJ4701D677 R276 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1002D677 R282 ORJ0222D677 R283 ORJ0222D677 R289 ORJ1001D677 R290 ORJ1000D677 R401 ORJ1002D677 R401 ORJ1002D677 R402 ORJ1002D677 R402 ORJ1002D677 R403 ORJ1002D677 R404 ORJ1002D677 R405 ORJ1002D677 R406 ORJ1002D677 R407 ORJ1002D677 R408 ORJ1002D677 R409 ORJ1002D677 R400 ORJ1002D677 R400 ORJ1002D677 R401 ORJ1002D677 R402 ORJ1002D677 R403 ORJ1002D677 R404 ORJ1002D677 R405 ORJ1002D677 R406 ORJ1002D677 R407 ORH0000D622 R408 ORH0000D622 R409 ORH0000D622 R400 ORH000D622 R400 ORH000D622 R400 ORH000D622 R400 ORH000D622 R400 ORH00					
R259 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R282 0RJ0022D677 10K OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 1K OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 1K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R408 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/T					
R260 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ100D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ100D677 1K OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RH0000D622 10K OHM 1/10 W 5% 1608 R/TP R408 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP					
R272 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/T					
R273 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R274 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP					
R274 ORJ4701D677 R275 ORJ4701D677 R276 ORJ4701D677 R276 ORJ4701D677 R277 ORJ1002D677 R277 ORJ1002D677 R282 ORJ0222D677 R283 ORJ0222D677 R289 ORJ1001D677 R290 ORJ1000D677 R401 ORJ1002D677 R401 ORJ1002D677 R402 ORJ1002D677 R404 ORJ1002D677 R405 ORJ1002D677 R406 ORJ1000D622 R408 ORH0000D622 R409 ORH0000D622 R409 ORJ002D677 R703 ORJ0752D677 R706 ORJ4701D677 R711 ORJ0332D677 R712 ORJ0332D677 R712 ORJ0332D677 R713 ORJ0472D677 R71 ORHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 R71 ORM 1/10 W 5% 1608 R/TP R71 ORJ0332D677 R71 ORJ03472D677 R71 ORJ0472D677 R71 ORJ04 ORJ0472D677 R71 ORJ0472D677 R71 ORJ04 ORJ0472D677 R71 ORJ04 ORJ0					
R275 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R408 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP </th <th></th> <th></th> <th></th> <th></th> <th></th>					
R276 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R277 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R406 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP <th></th> <th></th> <td></td> <td></td> <td></td>					
R282 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R408 0RH0000D622 0 1/10W P-TYPE TAPPING R409 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP <			_		
R283 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R289 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R408 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP			R277	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
R289 ORJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R290 ORJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 ORJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R401 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 ORH0000D622 0 1/10W P-TYPE TAPPING R408 ORH0000D622 0 1/10W P-TYPE TAPPING R409 ORH0000D622 0 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP <			R282	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
R290 ORJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R291 ORJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R401 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 ORH0000D622 0 1/10W P-TYPE TAPPING R408 ORH0000D622 0 1/10W P-TYPE TAPPING R409 ORH0000D622 0 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP			R283	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
R291 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R401 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R402 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R404 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 0RH0000D622 0 1/10W P-TYPE TAPPING R408 0RH0000D622 0 1/10W P-TYPE TAPPING R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 10K OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP			R289	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
R401 ORJ1002D677 R402 ORJ1002D677 R404 ORJ1002D677 R405 ORJ1002D677 R407 ORH0000D622 R408 ORH0000D622 R409 ORH0000D622 R702 ORJ1002D677 R703 ORJ002D677 R704 ORJ0752D677 R705 ORJ0752D677 R706 ORJ4701D677 R711 ORJ0332D677 R712 ORJ0332D677 R713 ORJ0472D677 R713 ORJ0472D677 R713 ORJ0472D677 R713 ORJ0472D677 R714 ORJ0332D677 R715 ORJ0332D677 R716 ORJ0472D677 R717 ORJ0332D677 R718 ORJ0472D677 R719 ORJ0472D677 R710 ORJ0472D677 R711 ORJ0332D677 R711 ORJ0332D677 R712 ORJ0472D677 R713 ORJ0472D677 R714 ORJ0472D677 R715 ORJ0472D677 R716 ORJ0472D677 R717 ORJ0472D677 R718 ORJ0472D677 R719 ORJ0472D677 R710 ORJ0472D677 R710 ORJ0472D677 R711 ORJ0472D677 R711 ORJ0472D677 R711 ORJ0472D677 R712 ORJ0472D677 R713 ORJ0472D677 R714 ORJ0472D677 R715 ORJ0472D677 R716 ORJ0472D677 R717 ORJ04 ORJ0472D677 R718 ORJ0472D677 R719 ORJ0472D677 R710 ORJ0472D677			1000		
R402 ORJ1002D677 R404 ORJ1002D677 R405 ORJ1002D677 R406 ORJ1002D677 R407 ORH0000D622 R408 ORH0000D622 R409 ORH0000D622 R702 ORJ1002D677 R703 ORJ002D677 R704 ORJ00752D677 R705 ORJ0752D677 R706 ORJ0752D677 R711 ORJ0332D677 R712 ORJ0332D677 R713 ORJ0472D677 R713 ORJ0472D677 R713 ORJ0472D677 R714 ORJ0332D677 R715 ORJ0332D677 R716 ORJ0332D677 R717 ORJ0332D677 R718 ORJ0472D677 R719 ORJ0472D677 R710 ORJ0472D677 R711 ORJ0332D677 R711 ORJ0332D677 R712 ORJ0472D677 R713 ORJ0472D677 R714 ORJ0472D677 R715 OHM 1/10 W 5% 1608 R/TP R717 ORJ0472D677 R718 ORJ0472D677 R719 ORJ0472D677 R719 ORJ0472D677 R710 ORJ0472D677					
R404 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R405 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 ORH0000D622 0 1/10W P-TYPE TAPPING R408 ORH0000D622 0 1/10W P-TYPE TAPPING R409 ORH0000D622 0 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R405 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R407 ORH0000D622 0 1/10W P-TYPE TAPPING R408 ORH0000D622 0 1/10W P-TYPE TAPPING R409 ORH0000D622 0 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R407 ORH0000D622 0 1/10W P-TYPE TAPPING R408 ORH0000D622 0 1/10W P-TYPE TAPPING R409 ORH0000D622 0 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R408 ORH0000D622 O 1/10W P-TYPE TAPPING R409 ORH0000D622 O 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R409 ORH0000D622 O 1/10W P-TYPE TAPPING R702 ORJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R702 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R703 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R703 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R704 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
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R705 ORJ0752D677 75 OHM 1/10 W 5% 1608 R/TP R706 ORJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP R711 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 ORJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 ORJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R711 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R712 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP					
R712 0RJ0332D677 33 OHM 1/10 W 5% 1608 R/TP R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP			R706	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
R713 0RJ0472D677 47 OHM 1/10 W 5% 1608 R/TP			R711	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
			R712	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
R714 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP					
			R714	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP

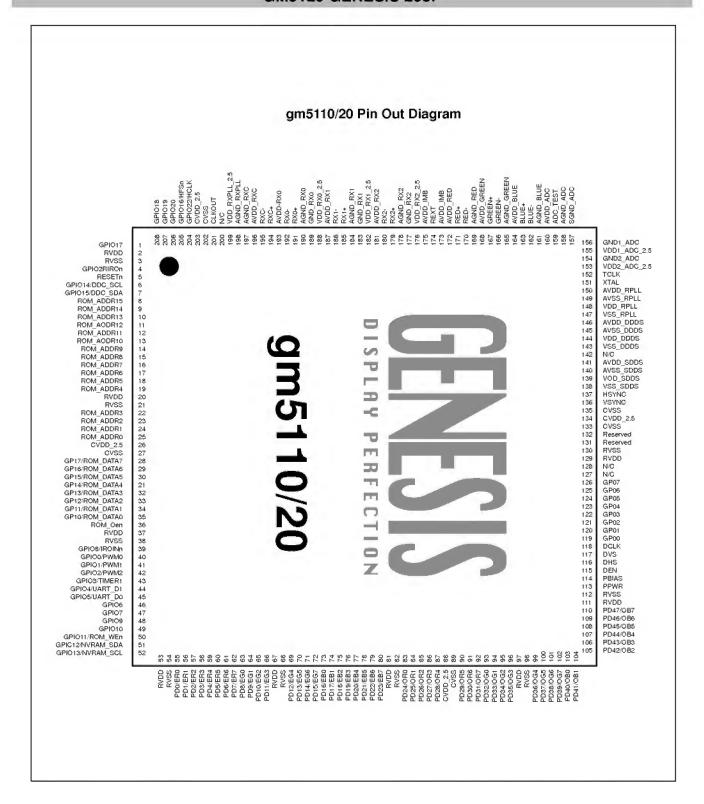
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3	AL	LOG. NO.	PARTINO.	DESCRIPTION/SPECIFICATION	
		R715	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP	
		R716	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP	
		R718	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP	
		R719	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP	
		R726	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
		R727	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP	
		R729	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP	
		R732	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP	
		R733	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP	
		R734	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP	
		R740	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP	
		R741	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP	
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		R745	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP	
		R747 R748	0RJ1002D677 0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP 10K OHM 1/10 W 5% 1608 R/TP	
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		R753	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R770	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R771	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R772	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R773	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R774	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R775	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP	
		R776	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R777	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP	
		R778	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R779	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP	
		R784	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP	
		R785	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
		R786	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP	
		R787	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP	
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		R801	0RH0000D622	0 1/10W P-TYPE TAPPING	
		R802	0RH0000D622	0 1/10W P-TYPE TAPPING	
		R809	0RJ2202D677	22K OHM 1/10 W 5% 1608 R/TP	
		R810	0RH5600D622	560 1/10W 5 D.R/TP	
		R811	0RH0332D622	33 1/10W 5 D.R/TP	
		R812	0RH0332D622	33 1/10W 5 D.R/TP	
		R813	0RH0332D622	33 1/10W 5 D.R/TP	
		R814	0RH0332D622	33 1/10W 5 D.R/TP	
		R815	0RH0332D622	33 1/10W 5 D.R/TP	
		R816	0RH0332D622	33 1/10W 5 D.R/TP	
		R817	0RH0332D622	33 1/10W 5 D.R/TP	
		R818	0RH0332D622	33 1/10W 5 D.R/TP	
		R819	0RH0332D622	33 1/10W 5 D.R/TP	
		R820	0RH0332D622	33 1/10W 5 D.R/TP	
		RA200	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP 100 OHM 1/16 W 5% 3215 R/TP	
		RA201 RA202	ORHZTCZ001A ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA202	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA203	ORHZTCZ001A	100 OHM 1/16 W 5%3215 R/TP	
		RA205	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA206	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA207	ORHZTGZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA208	0RHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA209	0RHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA210	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	
		RA211	ORHZTCZ001A	100 OHM 1/16 W 5% 3215 R/TP	

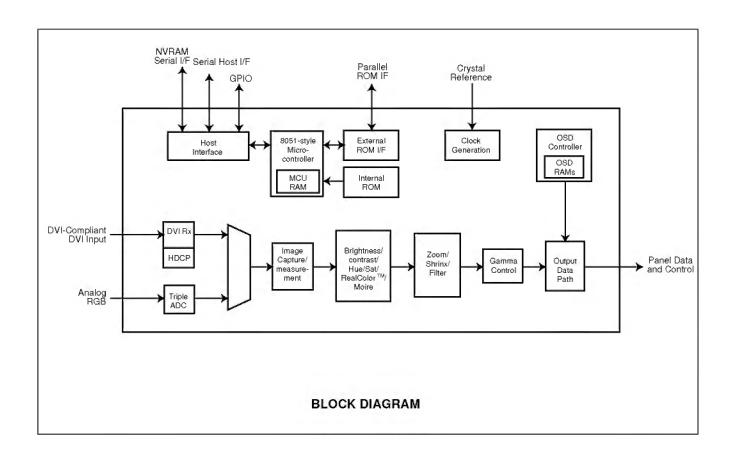
DATE: 2003. 05. 06 S AL LOC. NO. PART NO. DESCRIPTION / SPECIFICATION								
	OTHERs	FARTINO.	DESCRIPTION/ SPECIFICATION					
$\overline{}$	T	<u> </u>						
	X201	6212AA2004B	HC-49U TXC 20.0MHZ +/- 30 PP					
F	OWER B	OARD						
Α .	BD901	0DD360000DA	D3SBA60 BK SHINDENGEN 600V					
<u>A</u>	C901	0CBZTBU002B	BULK PCX2 335 474K					
<u>A</u>	C902	0CKZTBU006B	NK E 332M 250V BK10.0 DA2GYE					
	C903	0CKZTBU006B	NK E 332M 250V BK10.0 DA2GYE					
$\overline{\mathbb{A}}$	C904	0CBZTBU002A	BULK PCX2 335 224K					
	C905	0CZZTAB002C	KMF 18*40 SYE / SWE 400V 120					
	C906	0CK10302945	0.01 UF 2KV Z F TR					
	C907	0CE476EK638	47UF KMG 50V M FM5 TP 5					
	C908	0CQ2721N419	2700PF 100V J PE NI TP					
	C909	0CK1020K515	1000PF 50V K B TR					
	C911	0CE228EF630	2200UF KMG 16V M FM5 BULK					
	C913	0CE108BF630	1000UF KME 16V M FM5 BULK					
	C914	0CE228ED630	2200UF KMG,RD 10V 20% BULK F					
	C915 C916	0CE228ED630	2200UF KMG,RD 10V 20% BULK F MKT 100V 823JTR PHS26823					
	C918	181-288L 0CE228ED630	2200UF KMG,RD 10V 20% BULK F					
Δ	C919	OCKZTBU006B	NK E 332M 250V BK10.0 DA2GYE					
	C921	0CE228EF630	2200UF KMG 16V M FM5 BULK					
	C922	0CKZTTA002E	EKR3A102K09FK5 SAMWHA 1KV 10					
	C923	0CKZTTA002E	EKR3A102K09FK5 SAMWHA 1KV 10					
	C924	0CE336BH638	33UF KME 25V M FM5 TP5					
	D901	0DD400709CB	UF4007 TP G.I DO204AL 1000V					
	D902	0DR400409AB	UF4004 TP G.I DO204AL 400V 1					
	D903	0DRIR00011B	16CTQ100 I.R ST TO220 100V 1					
	D906	0DRIR00021A	30CTQ060 I.R ST TO220 60V 30					
A	D907	0DS113309AA	1SS133 TP ROHM KOREA DO34 90					
<u> </u>	F901	0FZZTTH001D	TIME LAG HBC 3.15A/250V,215					
	FH1 FH2	430-858C 430-858C	AFC-520 BAE EUN TA AFC-520 BAE EUN TA					
	IC901	0IPMGIH001A	ICE2AS01 INFINEON 8P,DIP ST					
	IC904	0ISS431000A	KA431AZ (LM431AZ)					
	IC905	0ISS780500F	KA7805					
	L901	150-A85F	LX31 GET BAR CHOKE,3.3UH,LB8					
	L902	150-A85F	LX31 GET BAR CHOKE 3.3UH,LB8					
À	LF901	6200TZZ001A	- GO BK L/FILTER,9MH,LB886F					
<u> </u>	LF902	6200TZZ001A	- GO BK L/FILTER,9MH,LB886F					
A .	P901	6620TKB002A	BAE EUN AC UNIVERSAL 3PIN BL					
Λ	PC1	01LI817000E	LTV-817M-V(B) 4P BK PHOTO C					
	Q902 Pant	0TFFN10004A	INFINEON SPP11N60C2 ST TO220					
	R901 R902	0RD6803A609 0RD3902A609	680K OHM 1/2 W (7.0) 5% TA52 39K OHM 1/2 W (7.0) 5% TA52					
	R903	0RD3902A609	39K OHM 1/2 W (7.0) 5% TA52					
	R906A	0RX5102J609	51KOHM 1 W 5% TA52					
	R906B	0RX5102J609	51KOHM 1 W 5% TA52					
	R907	0RD0102Q609	10 1/4W(3 5% TA52					
	R908	0RD0222Q609	22 1/4W(3 5% TA52					
	R909	0RD1001Q609	1K 1/4W(3 5% TA52					
	R910	0RD0431A609	4.3 OHM 1/2 W (7.0) 5% TA52					
	R911	0RD1004A609	1.0M OHM 1/2 W (7.0) 5% TA52					
	R912	0RD1004A609	1.0M OHM 1/2 W (7.0) 5% TA52					
	R913	0RN1102F409	11K 1/6W 1% TA52					
	R914	0RD1002Q609	10K 1/4W(3 5% TA52					
	R917	0RD1201Q609	1.20K 1/4W(3 5% TA52					
ı	R918 R920	0RD1000Q609 0RN4702F409	100 1/4W(3 5% TA52 47K 1/6W 1% TA52					
	R921	0RN2701F409	2.7K OHM 1/6 W 1.00% TA52					

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*S	*AI	LOC. NO.	PART NO.	DATE: 2003. 05. 06. DESCRIPTION / SPECIFICATION	-	T	T		
A		R924 R925 R926 R927 R928 T901 TH902	0RD0752Q609 0RD1002Q609 0RN0471H609 0RD0102A609 0RD0202Q609 6170TMZ125B 6322TA080AA	75 1/4W(3 5% TA52 10K 1/4W(3 5% TA52 4.7 OHM 1/2 W 5% TA52 10 OHM 1/2 W (7.0) 5% TA52 20 1/4W(3 5% TA52 EER3016 340UH V-10PIN LB886F TP8D13 DAEWOO +/- 15% 110/2					
		ZD901	0DZ470009BC	GDZ4.7B TP GRANDE DO34 0.5W					
	С	ONTROL	BOARD						
		LED1 SW1 SW2 SW3 SW4 SW5 SW6 SW7 SW8	ODLLT0148AA 140-058E 140-058E 140-058E 140-058E 140-058E 140-058E 140-058E 140-058E 140-058E	LITEON LTST-C195KGJSKT R/TP SKHV10910B LGEC NON 12V 20A					

PIN CONFIGURATION

GM5120 GENESIS 208P





S524A40X10/40X20/40X40

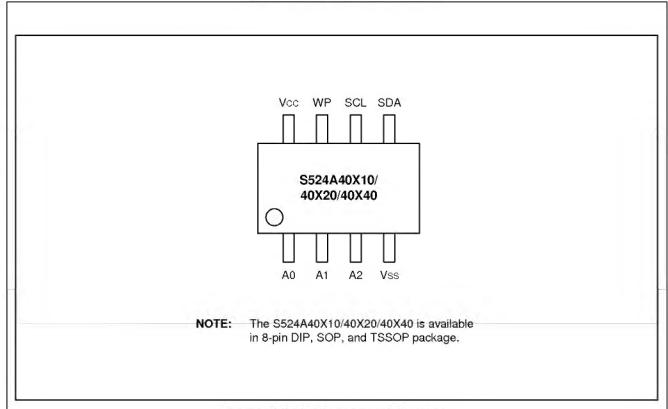


Figure 2-2. Pin Assignment Diagram

Table 2-1. S524A40X10/40X20/40X40 Pin Descriptions

Name	Туре	Description	Circuit Type
A0, A1, A2	Input	Input pins for device address selection. To configure a device address, these pins should be connected to the V_{CC} or V_{SS} of the device. These pins are internally pulled down to V_{SS} .	1
V _{SS}	_	Ground pin.	-
SDA	I/O	Bi-directional data pin for the I 2 C-bus serial data interface. Schmitt trigger input and open-drain output. An external pull-up resistor must be connected to V $_{CC}$. Typical values for this pull-up resistor are 4.7 k Ω (100 kHz) and 1 k Ω (400 kHz).	3
SCL	Input	Schmitt trigger input pin for serial clock input.	2
WP	Input	Input pin for hardware write protection control. If you tie this pin to V_{CC} , the write function is disabled to protect previously written data in the entire memory; if you tie it to V_{SS} the write function is enabled. This pin is internally pulled down to V_{SS}	Ч
V _{CC}	_	Single power supply.	_

NOTE: See the following page for diagrams of pin circuit types 1, 2, and 3.

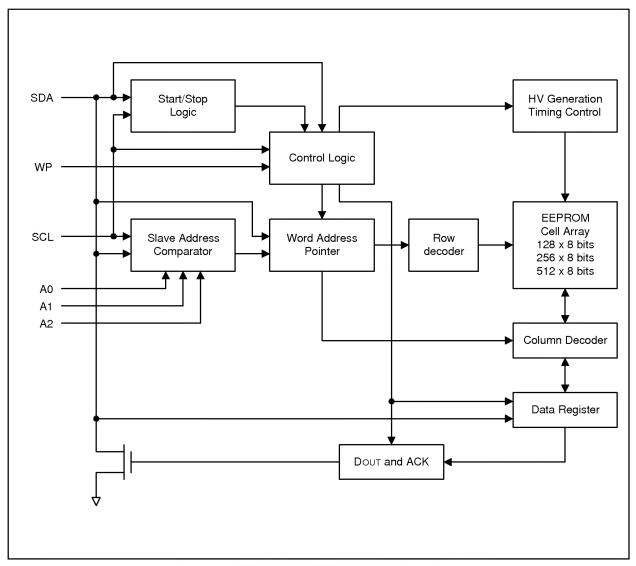
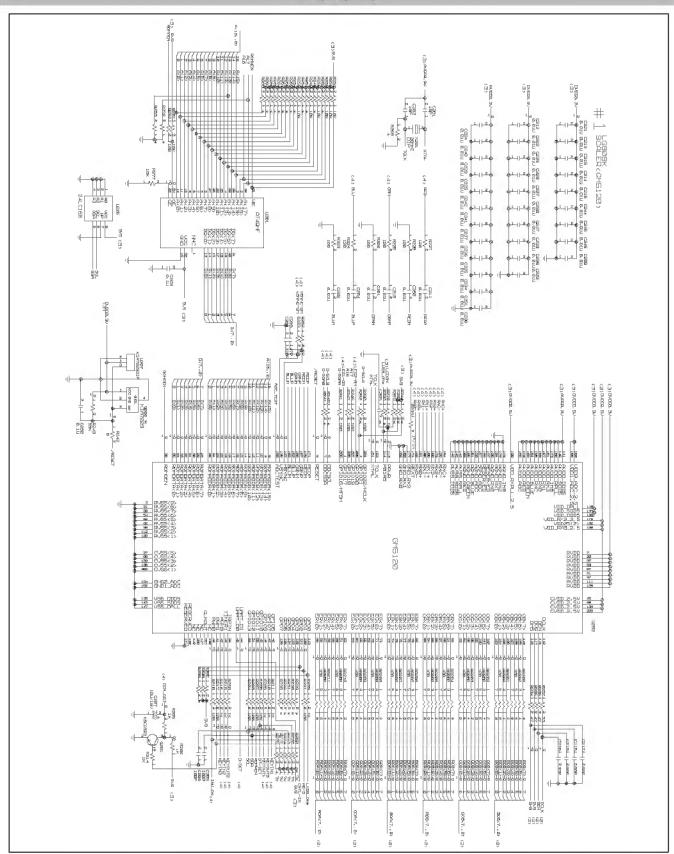


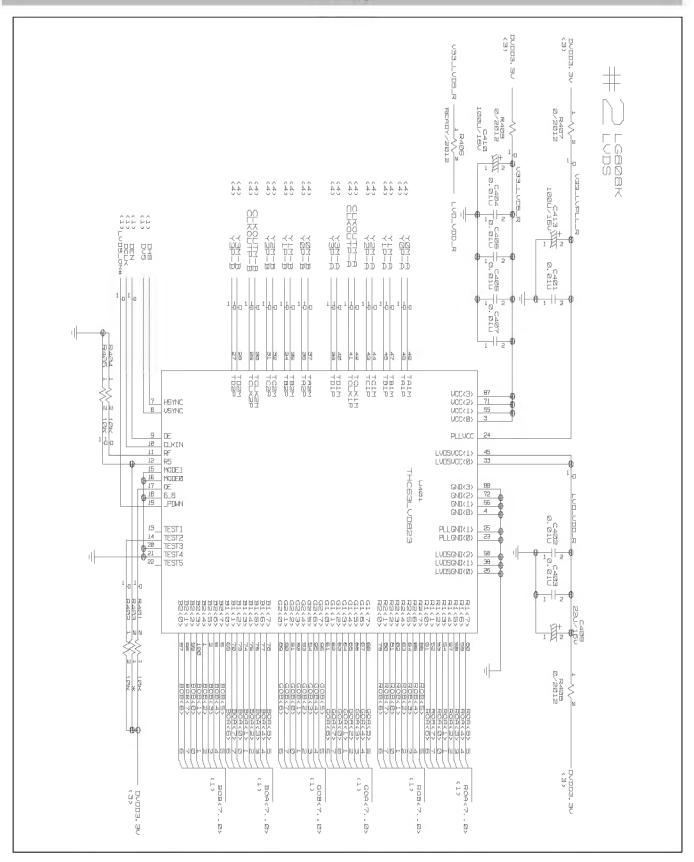
Figure 2-1. S524A40X10/40X20/40X40 Block Diagram

SCHEMATIC DIAGRAM

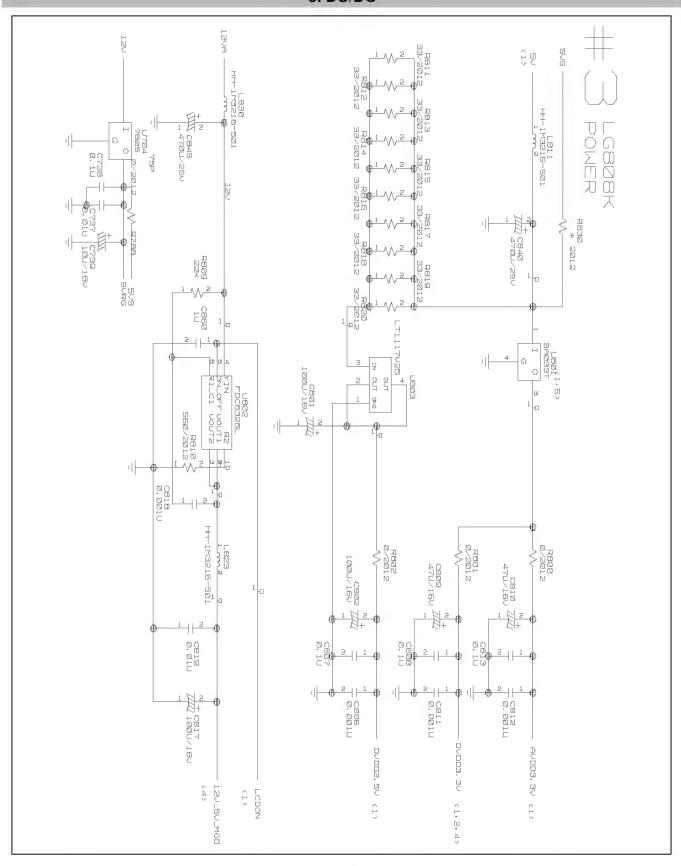
1. GM5120



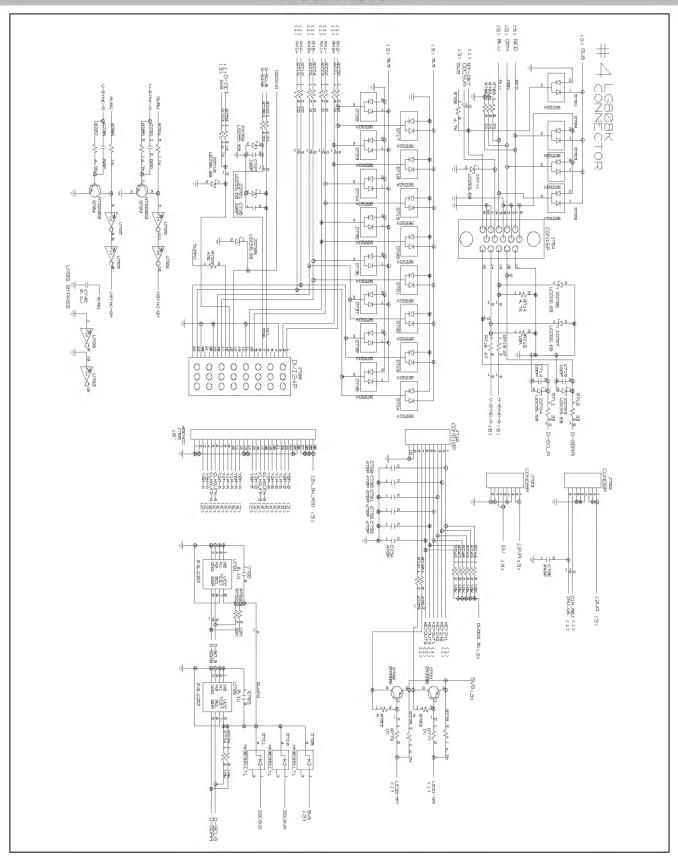
2. LVDS



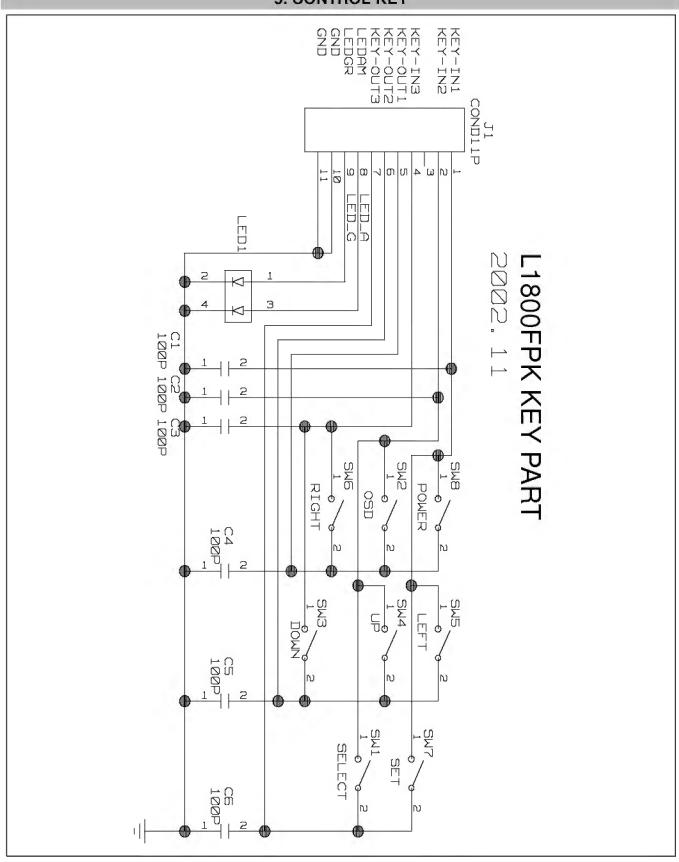
3. DC/DC



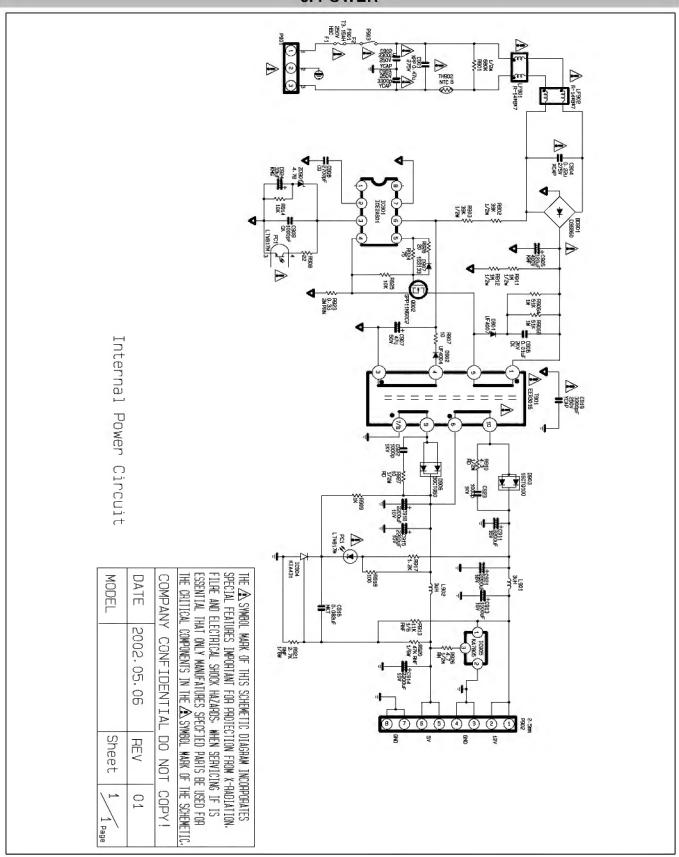
4. CONNECTOR



5. CONTROL KEY



6. POWER



P/NO:3828TSO049E

May. 2003
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